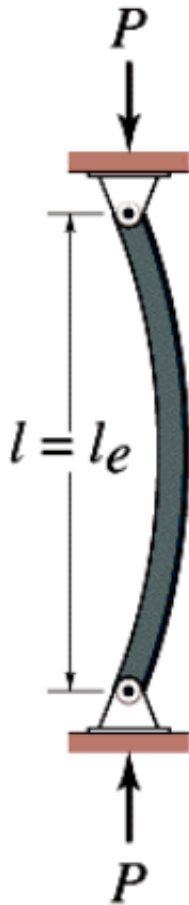
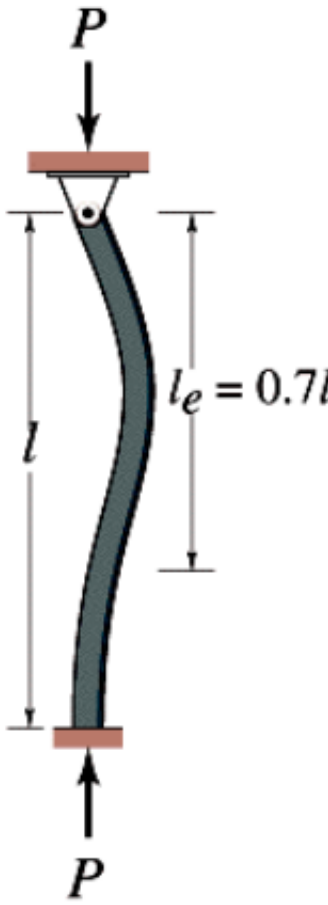
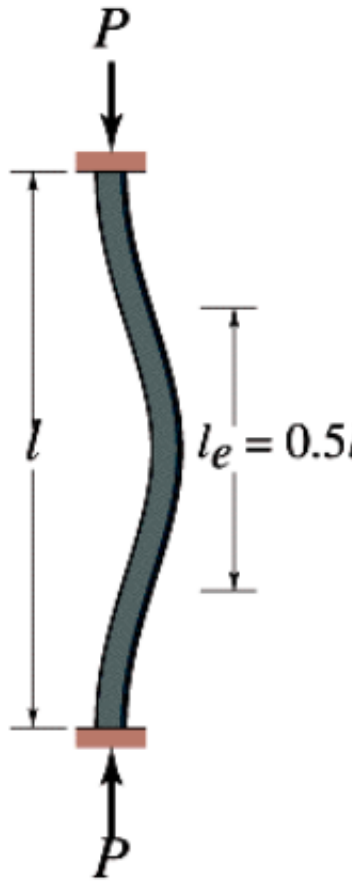
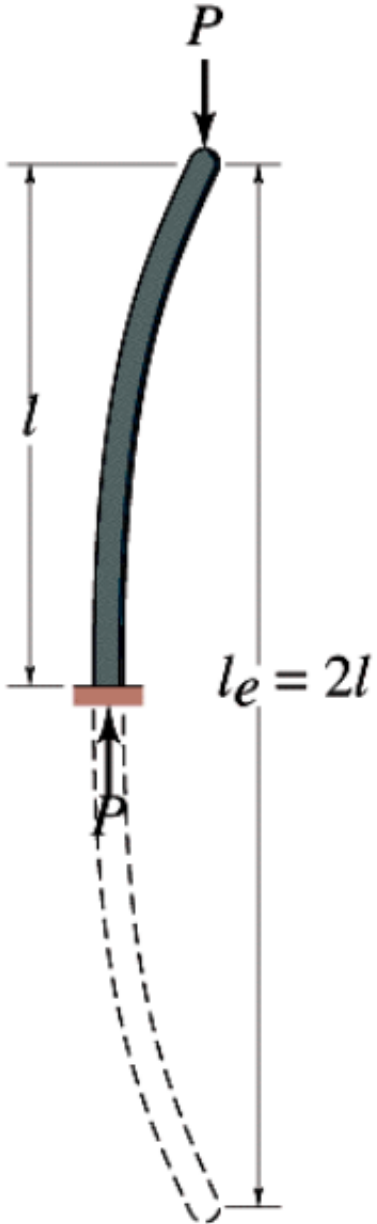


End condition description	Both ends pinned	One end pinned and one end fixed	Both ends fixed	One end fixed and one end free
Illustration of end condition				
Theoretical effective column length	$l_e = l$	$l_e = 0.7l$	$l_e = 0.5l$	$l_e = 2l$
AISC (1989)– recommended effective column length	$l_e = l$	$l_e = 0.8l$	$l_e = 0.65l$	$l_e = 2.1l$